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Editorial: Research Topic editor digest 2023–2024 rising stars in geotechnical engineering

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Editorial on the Research Topic

Research Topic Editor Digest 2023–2024 Rising Stars in Geotechnical Engineering

Eligibility criteria required nominees to be either under 35 years of age or to have completed their doctoral degree within the last 10 years, as of October 1 of the year preceding recognition. Nominees were evaluated based on the following information: (1) Total number of journal papers published; (2) Total number of citations received; (3) h-index; (4) Total research funding secured to date, and; (5) Awards and honours received to date.

The Research Topic received 8 submissions from emerging stars in the field, with six papers accepted after review by the selection committee. These researchers, nominated either by experts or through self-nomination, were rigorously reviewed and selected by our committee. The titles of the articles published under the Rising Stars Research Topic can be found at <https://www.frontiersin.org/research-topics/61677/rising-stars-in-geotechnical-engineering/articles>.

The final selection of recipients is overseen by a committee chaired by the section's chief editor. The committee considers several factors, including balance across subfields (e.g., soil mechanics, rock mechanics, engineering geology, mining, ground improvement, geosynthetics, exploration, tunneling, geo-environmental engineering, waste disposal), geographic distribution, gender, ethnic background, and other relevant factors.

Below are brief descriptions of the awardees (by the time of nomination):

- **Jinhyun Choo**, Ph.D.
Assistant Professor, Department of Civil and Environmental Engineering, Korea Advanced Institute of Science and Technology (KAIST), Korea
Papers: 39 | Google Citations: 1558 | h-index: 21
Area of Contributions: Geologic fractures
Published Article: Phase-field modeling of geologic fractures.
- **Amarnath Hegde**, Ph.D.
Associate Professor, Department of Civil and Infrastructure Engineering, Indian Institute of Technology Dharwad, India
Papers: 46 | Google Citations: 1640 | h-index: 20
Area of Contributions: Geosynthetics
Published Article: Mitigation of ground vibrations using geocells: a mini-review.
- **Menglim Hoy**
Assistant Professor, School of Civil Engineering, Suranaree University of Technology, Thailand
Papers: 51 | Google Citations: 965 | h-index: 15
Area of Contributions: Recycled materials
Published Article: Innovations in recycled construction materials: paving the way towards sustainable road infrastructure.
- **Yu Qian**, Ph.D.
Associate Professor, Department of Civil and Environmental Engineering, University of South Carolina, United States
Papers: 79 | Google Citations: 2435 | h-index: 26
Area of Contributions: Railway engineering
Published Article: Intelligent railroad inspection and monitoring.
- **Fei Zhang**, Ph.D.
Professor, Geotechnical Engineering, Hohai University
Papers: 59 | Google Citations: 1550 | h-index: 18
Area of Contributions: Earth structures
Published Article: Recent advances in stability analysis and design of 3D slopes.
- **Haizuo Zhou**, Ph.D.
Professor, School of Civil Engineering, Tianjin University, China
Papers: 73 | Google Citations: 1306 | h-index: 21

Area of Contributions: Ground improvement

Published Article: Fragility assessment for rainfall-induced embankments on silty soils.

Author contributions

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